



A.D. 1795 . . . . . N° 2058.

SPECIFICATION

OF

JACOB STANTON.

MACHINE FOR THE RELIEF OF PERSONS  
LABOURING UNDER FRACTURED LIMBS.

LONDON:

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A.D. 1795 . . . . . N° 2058.

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**Machine for the Relief of Persons Labouring under  
Fractured Limbs.**

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**STANTON'S SPECIFICATION.**

TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JACOB STANTON, of Weybread, in the County of Suffolk, Miller, send greeting.

WHEREAS His most Excellent Majesty King George the Third, by His Royal Letters Patent under the Great Seal of Great Britain, bearing date the  
5 Twenty-ninth day of July, in the thirty-fifth year of His reign, did give and grant unto me, the said Jacob Stanton, my executors, administrators, and assigns, His especial licence, full power, sole privilege and authority, that I, the said Jacob Stanton, my executors, administrators, and assigns, and every of them, by myself and themselves, or by my and their deputy and deputies,  
10 servants or agents, or such others as I, the said Jacob Stanton, my executors, administrators, or assigns, should agree with, and no others, from time to time and at all times thereafter during the term of years therein expressed, should and lawfully might make, use, exercise, and vend, within that part of Great Britain called England, His Dominion of Wales, and Town of Berwick-  
15 upon-Tweed, my Invention of "A NEW MACHINE FOR THE RELIEF OF PERSONS LABOURING UNDER THE MISFORTUNE OF A FRACTURED LEG OR THIGH, WHICH I CALL A LEG AND THIGH MACHINE;" in such manner as to me, the said Jacob Stanton, my executors, administrators, or assigns, or any of them, should in their discretion seem meet, and that I, the said Jacob Stanton, my executors,



*Stanton's Machine for the Relief of Persons Labouring under Fractured Limbs.*

administrators, and assigns, should and lawfully might have and enjoy the whole profit, benefit, commodity, and advantage, from time to time coming, growing, and arising by reason of the said Invention, for and during the term of years therein mentioned, to have, hold, exercise, and enjoy the said licence, power, privileges, and advantages therein-before granted or mentioned 5 to be granted unto me, the said Jacob Stanton, my executors, administrators, and assigns, for and during and unto the full end and term of fourteen years from the date of the said Letters Patent next and immediately ensuing, and fully to be compleat and ended, according to the Statute in such case made and provided; in which said Letters Patent there is contained a proviso obliging 10 me, the said Jacob Stanton, by an instrument in writing under my hand and seal, to cause a particular description of the nature of my said Invention, and in what manner the same is to be performed, to be inrolled in His Majesty's High Court of Chancery within one calendar month next and immediately after the date of the said Letters Patent, as in and by the same (relation 15 being thereunto had) may more fully and at large appear.

**NOW KNOW YE**, that in compliance with the said proviso, I, the said Jacob Stanton, do hereby declare that the Paper Writing hereunto annexed, marked with the letter A, contains a true and particular description of my said New-invented Machine for the Relief of Persons Labouring under the Mis- 20 fortune of a Fractured Leg or Thigh, which I call a Leg and Thigh Machine, divided into six distinct Drawings of the machine itself, in every possible direction, together with twelve other of its component parts, at the bottom of which are six seperate explanations of each Drawing, with proper references to each seperate and composing part, so as entirely to ascertain the whole, and 25 the method in which my said Invention is to be performed. And the said Drawings and Explanations are accurate and true, to the best of my knowledge, as I have carefully compared and examined the same with the original model of my said New-invented Machine for the Relief of Persons Labouring under the Misfortune of a Fractured Leg or Thigh, which I call a Leg and Thigh 30 Machine.

In witness whereof, I have hereunto set my hand and seal, this Twentieth day of August, in the year of our Lord One thousand seven hundred and ninety-five.

JACOB STANTON. (L.S.) 35



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*Stanton's Machine for the Relief of Persons Labouring under Fractured Limbs.*

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AND BE IT REMEMBERED, that on the same Twentieth day of August, in the year above written, the aforesaid Jacob Stanton came before our Lord the King in His Chancery, and acknowledged the Specification aforesaid, and all and every thing therein contained, in form above written. And  
5 also the Specification aforesaid was stamped according to the tenor of the Statute in that case made and provided.

Inrolled the Twenty-second day of August, in the year above written.

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LONDON :

Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE,  
Printers to the Queen's most Excellent Majesty. 1856.

GEORGE SMYTHE, a Master Extra  
in the High Court of Chancery.











Six Views of the Leg and Thigh Machine

Plate 1.

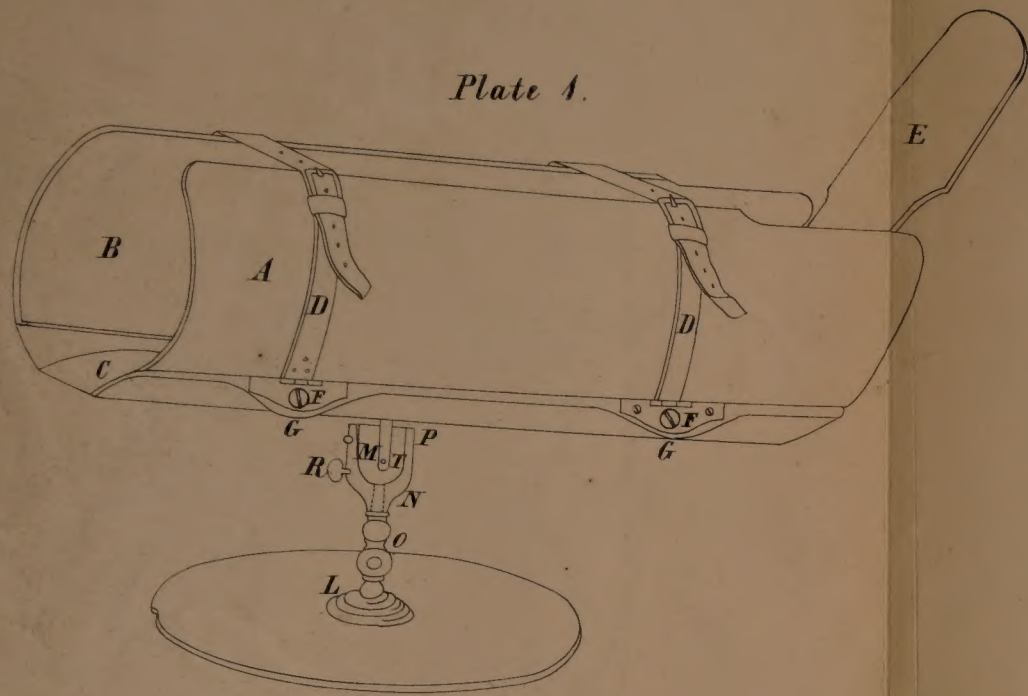


Plate 2.

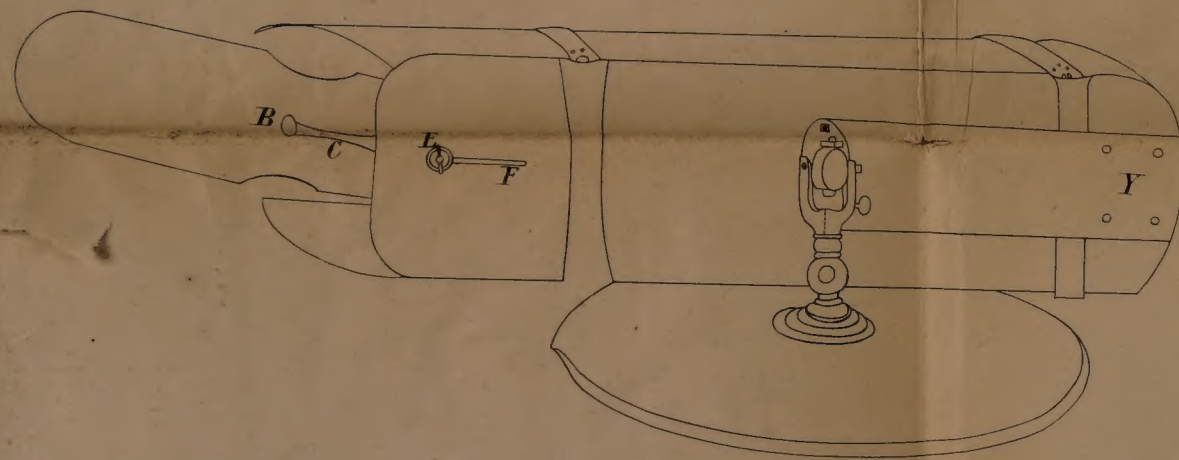


Plate 3.

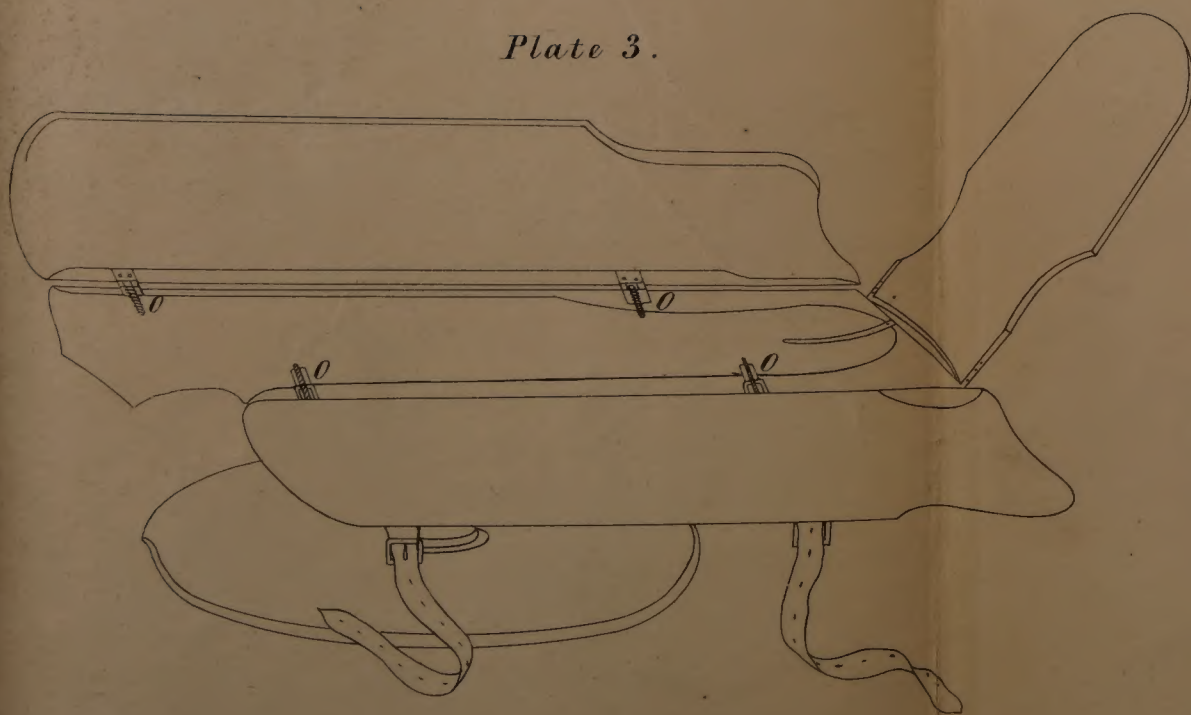


Plate 4.

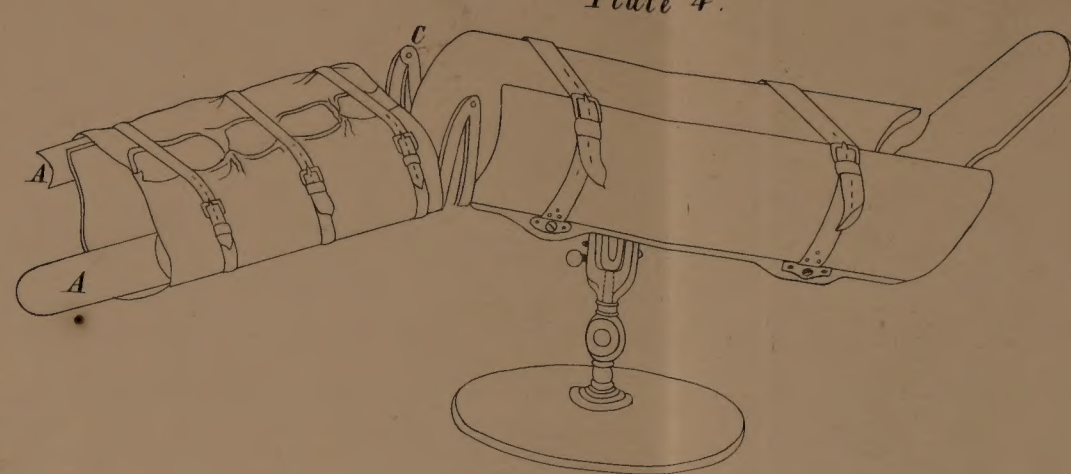


Plate 5.

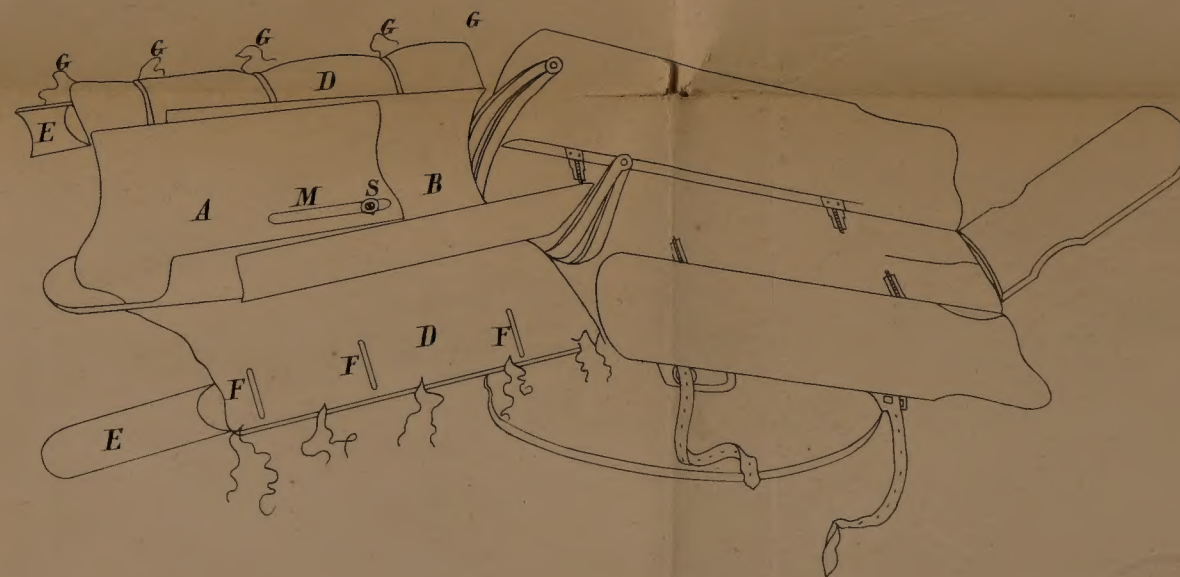
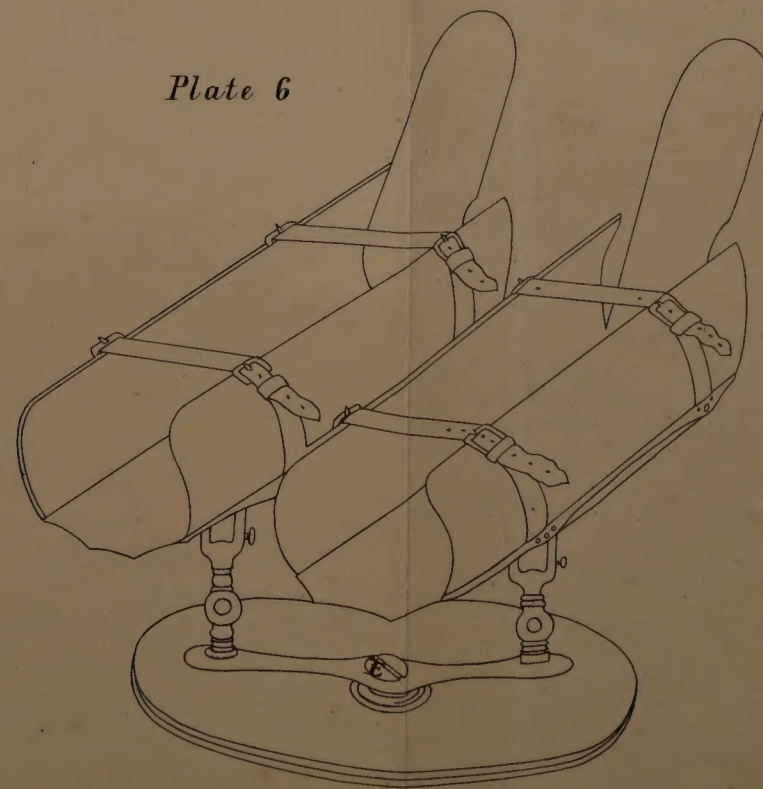


Plate 6.



A

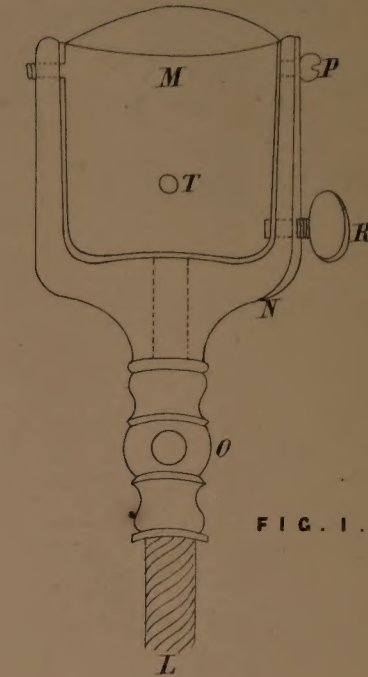


FIG. 1.

FIG. 4.

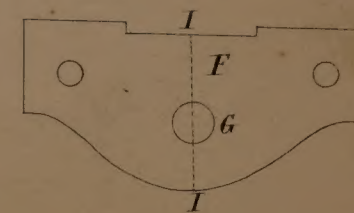


FIG. 11.

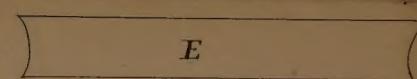


FIG. 12.

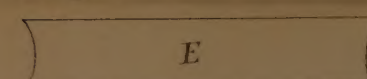


FIG. 3.

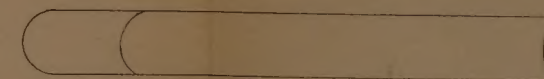


FIG. 6.

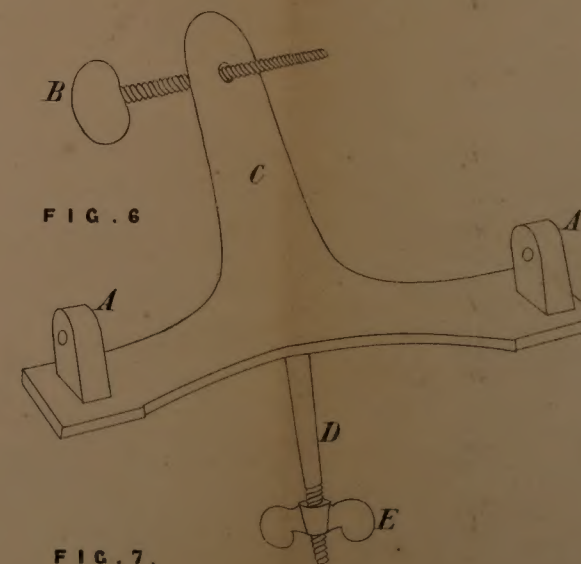


FIG. 7.

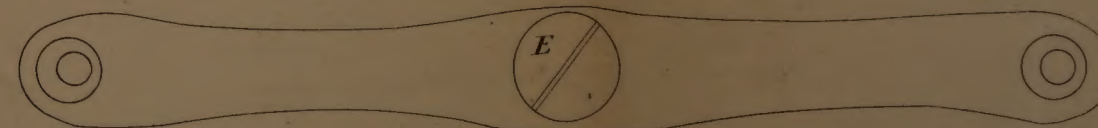


FIG. 8.

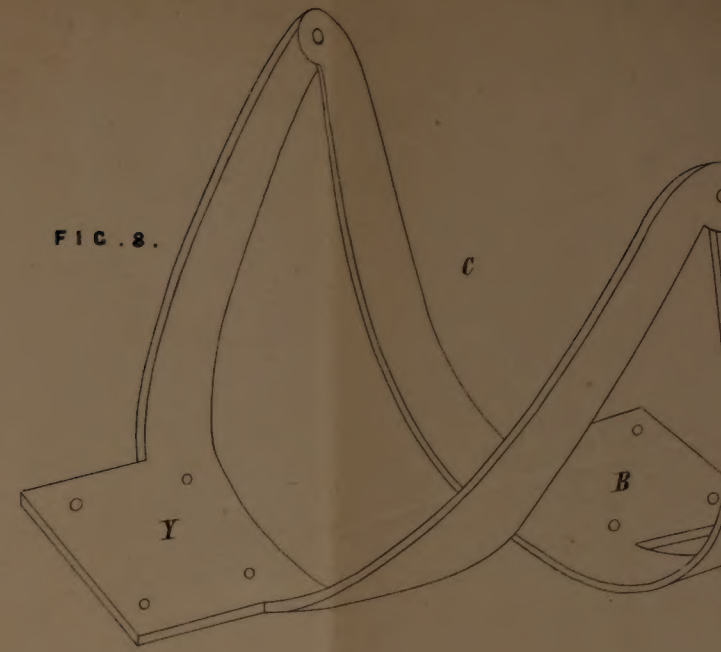


FIG. 9.

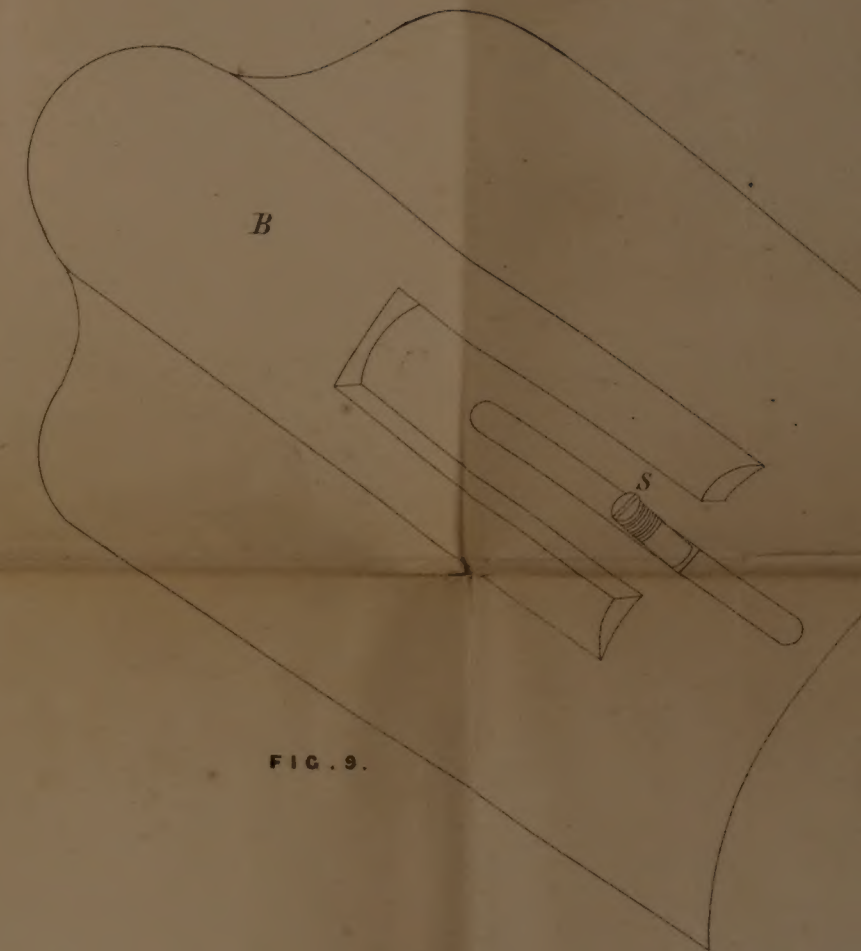
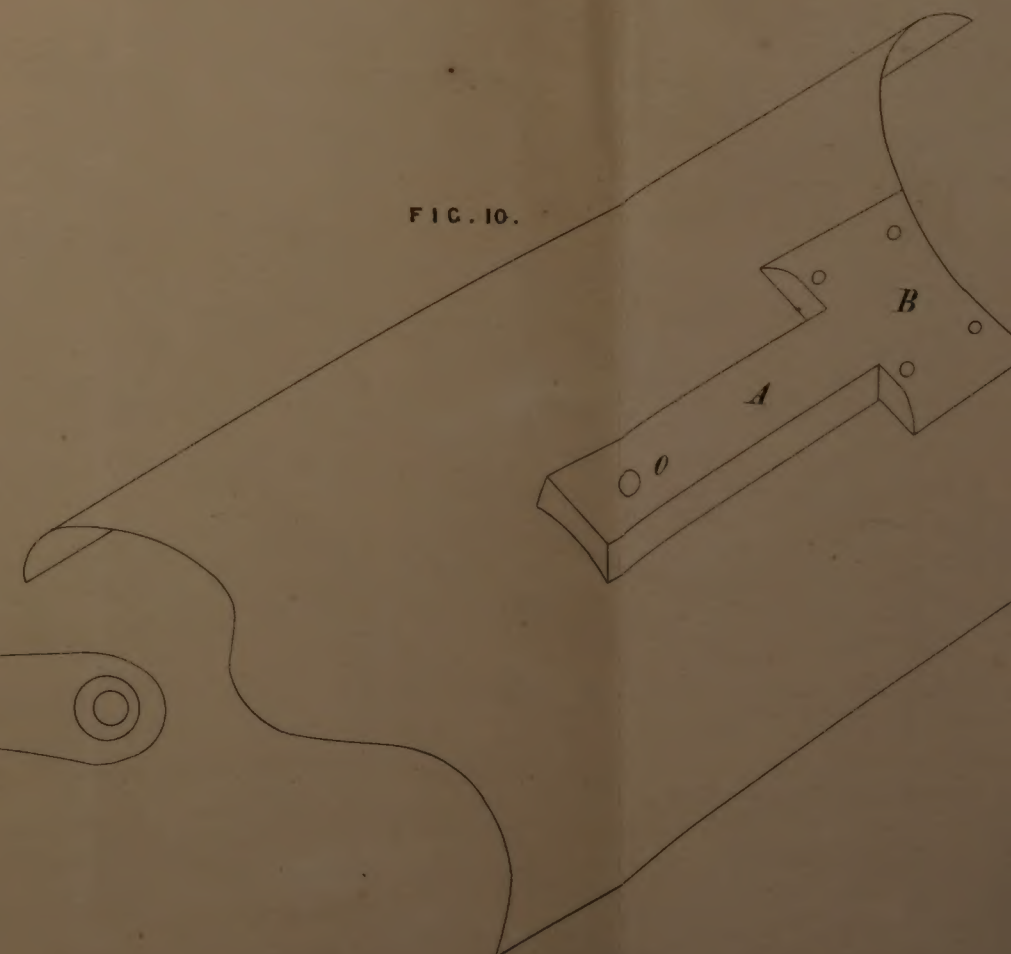
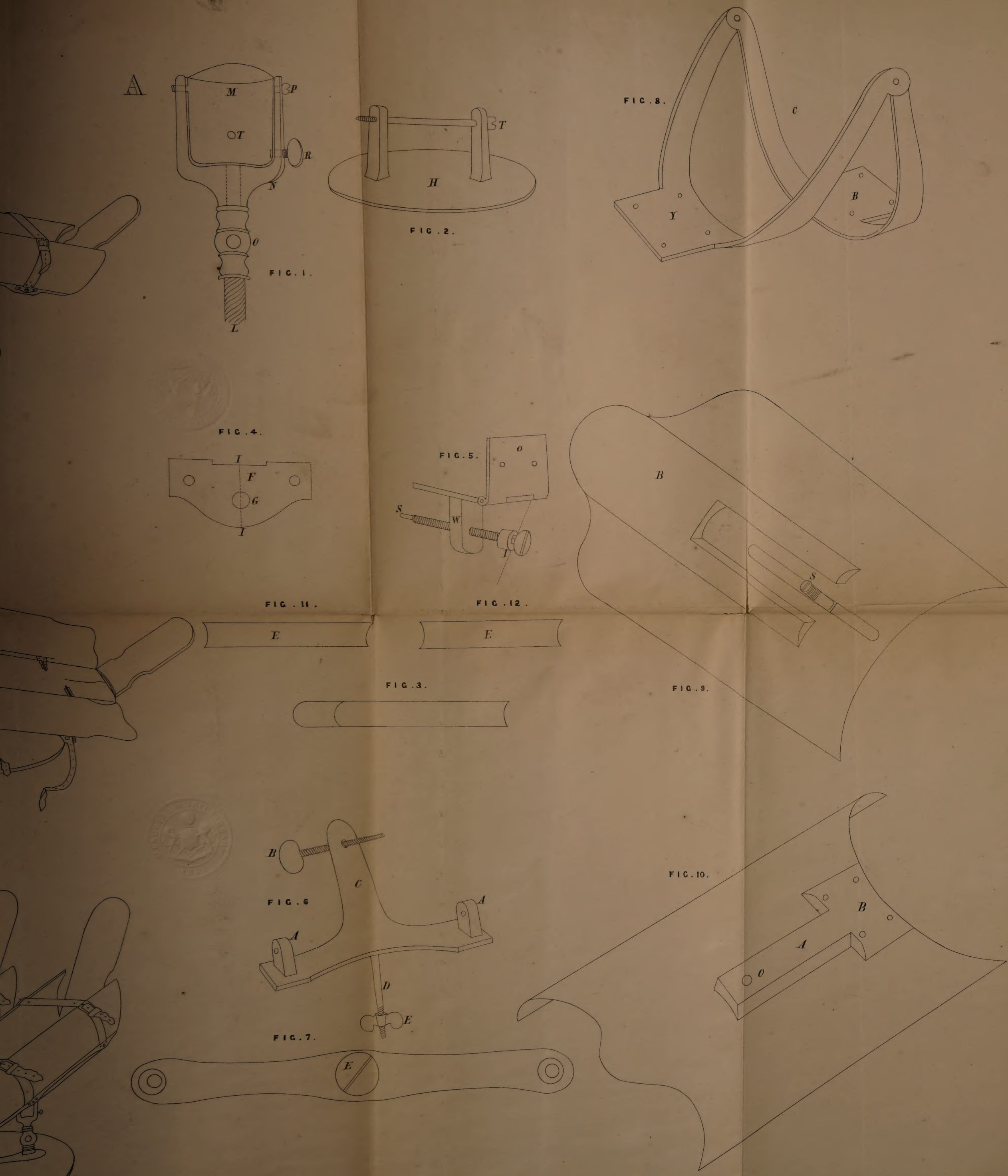


FIG. 10.







**Plate 1.** Represents that part of the Machine when in use for a Fractured Leg only. A.B. are the two sides curved fit to receive the Leg. -  
C. The bottom curved in the same manner so that when buckled up as in the plate, nearly forms a circle. -  
D.D. Two straps to buckle up the sides -  
E. The foot piece to support the foot -  
F.F. Two brass plates as in Fig 4 screw'd on each side the bottom -  
G. A hole in the said plates through which the screw S in Fig 5 passes for the purpose of locking the screw on end as at I which is a section of Fig 4 at II.  
I. An oval Iron Base for the Machine to rest upon in the centre of which is screw'd Fig 1 as at L.  
O. An upright Iron Standard with a hole for the purpose of screwing it to the Base which then remains steadfast.  
N. A Brass swivel working on the uppermost part of the Standard about which the Machine itself revolves.  
M. A Cylinder of Wood through the upper part of which passes the screw P, which also passes through the upper part of the Swivel and on which the Cylinder turns to give the Leg a lateral motion either to the right or left.  
R. A Thumb screw which locks the cylinder in an upright position.  
H. Is a brass catch Fig 2 fast on the bottom of the Machine and unto the Cylinder on the reverse of the swivel -  
T. The screw passing from side to side of the catch and also through the Cylinder at T. by which the Machine is made to slide more or less from the horizontal position in the plate.  
**Plate 2.** Is the same Machine in the lateral position to the right and of course the Cylinder reversed on the lateral end showing the bottom.  
C. Fig 6. Is of Brass on each end of which as at A.A. the foot piece acts and may be elevated or depressed by the Thumb screw B working through the part C which part stands nearly perpendicular to the bottom behind the foot piece.  
D. A cylindrical part of the Brass passing in the long mortice F and fast by the Thumb screw E to any length of the Leg.  
**Plate 3.** Shews the Machine open in which is placed a pillow for the Leg sufficiently wide to cover the bottom and sides.  
O. A brass joint Fig 5 two of which are screw'd upon the bottom on each side the part marked W. of which is fast to the joint acting in the cross mortices in the bottom at O.O.O.O. and by means of the screw S working in the part W contracts or expands the sides of the Machine to the size of the Leg which being properly placed thereon are buckled up as in plate the first. -  
**Plate 4** Is the same Machine with the part affixed for the Fractured thigh by means of the Joint O Fig 8 which stands up each side the knee and is screw'd on at Y in the second plate and on the bottom of the Thigh part enclosed by the outward covering but seen at Fig 10 at B.  
Fig 9 and 10 are two curves which are covered with soft Leather constitute the bottom of the Thigh Apparatus and are inserted in each other for the purpose of extension so as to fit the Thigh by means of a Splint A sliding into the splint B which is screw'd down to any length in the inside long mortice M. Plate 5 of the exterior curve by the screw S in fig. 9 at O Fig 10.  
A.A. are two side splints explained in plate 5.  
**Plate 5.** Represents the Leg and thigh Machine opened for the reception of the fractured Thigh which is placed on a pillow lodged within the two Curve A and B. -  
D.D. An outside double covering of Cloth in which are contained the two side splints.  
E.E. which are made to fit the size of the Thigh by the three cross straps fast to the Covering F.F.F.  
E.E. Fig 11 and 12. are the splint and strath separate and which are seen united in Fig 3 the outside splint is longer than the other and may be shifted as the fracture shall happen. -  
G.G.G.G. Five strings on each side to tie the whole together which is afterwards buckled up as in the thigh part of plate 4.  
**Plate 6.** Are two Machines connected together by screwing into each end of the cross Bar Fig 7 and screw'd on the same base by the centre screw E round which it revolves In case of a fracture of both Legs and equally applicable to both Thighs. -  
**Memorandum.** To shift the screws, a common screw driver which passes through the hole of the Iron Standard to screw it fast to the Base the end being made to fit the Head of the screws is sufficient. Oil to be occasionally applied to the screws and nuts. And a piece of Oil Cane under the pillow to prevent any moisture getting to the screws and Bushes is recommended. -



